

-1- (JAPIO)

ACCESSION NUMBER

TITLE

PATENT APPLICANT

INVENTORS

PATENT NUMBER

APPLICATION DETAILS

SOURCE

INT'L PATENT CLASS

JAPIO CLASS

FIXED KEYWORD CLASS

ABSTRACT

85-146455

ZINC ALKALINE BATTERY

(2000582) MATSUSHITA ELECTRIC IND CO LTD

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85.12.06 SECT. E, SECTION NO. 364; VOL. 9, NO. 310, PG. 138.

H01M-004/42; C22C-018/00

42.9 (ELECTRONICS--Other); 12.2 (METALS--Metallurgy Heat Treating); 12.3 (METALS--Alloys)

R057 (FIBERS--Non-woven Fabrics)

PURPOSE: To obtain a high-capacity zinc alkaline battery which minimally causes environmental pollution by using as the negative active material a powder prepared by amalgamating an alloy principally composed of zinc and containing Ga and Ag as active elements.

CONSTITUTION: A powder prepared by amalgamating an alloy (Zn-Ga-Ag) powder principally composed of Zn and containing Ga and Ag, is used as an active material for a negative element 5. It is preferable that the above powder be prepared by performing amalgamation by a wet method by dropping Hg into KOH solution of 30% concentration containing the alloy powder while stirring it to coat the surfaces of the alloy particles with Hg, followed by washing the amalgamated powder with water before drying the powder.